

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11976

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C07D213/64 - C07D213/74 - C07D231/38 - C07D239/42 - C07D241/20  
 C07D261/14 - C07D277/42 - C07D401/12 - C07D401/10 - C07D403/12  
 C07D403/10 - C07D401/04 - C07D401/14 - C07D405/10 - A61K31/415

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 323 842 A (FERRING BV) 7 October 1998 (1998-10-07) pages 26-28: in particular formulae 7,9,10, page 62 (claim 4): 5th and 11th compound ---	1-4
X	WO 02 40008 A (GONZALEZ MARIA ISABEL ;GRAAF PIETER HADEWIJN V D (GB); PINNOCK ROB) 23 May 2002 (2002-05-23) Scheme 3 (page 40), intermediate compounds 7: examples 21 and 23 ---	1-4
X	WO 96 33972 A (GLAXO GROUP LTD ;GORDEEV MIKHAIL F (US); PATEL DINESH V (US)) 31 October 1996 (1996-10-31) entry 7 in figure 10 (page 81, example 63), components 1-3,10-12,15,16 on page 85 (example 64) ----	1-4
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

27 January 2004

Date of mailing of the International search report

11 02 2004

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## INTERNATIONAL SEARCH REPORT

Application No  
PCT/EP 03/11976

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/42 A61K31/426 A61K31/4418 A61K31/4965 A61K31/505  
A61K31/506 A61K31/5377 A61P13/00

According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/058606 A1 (GONZALEZ MARIA ISABEL ET AL) 16 May 2002 (2002-05-16) Intermediate 6b in scheme 2 (page 16) ---	1,2
P,X	WO 02 096933 A (NOVARTIS ERFIND VERWALT GMBH ;GUAGNANO VITO (CH); NOVARTIS AG (CH)) 5 December 2002 (2002-12-05) Scheme 1: B, example 1(a) (page 39), example 13, step 13.2 (page 45) ---	1,2 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/EP 03/11976

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TERANISHI K: "Effect of conformation on the chemiluminescence efficiency of light-producing 2-methyl-6-(4-methoxyphenyl)imidazo[1,2-a]phapyrazin-3(7H)-ones" LUMINESCENCE, WILEY, CHICHESTER, GB, vol. 16, 2001, pages 367-374, XP009024709 ISSN: 1522-7235 Intermediate compounds 7b-7e in scheme 2	1
X	US 4 259 489 A (TAKEMATSU TETSUO ET AL) 31 March 1981 (1981-03-31) claims 1-6; examples 191-195,218,225,234,235,239,258; table 1	1
X	DATABASE CAPLUS [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002268153 RNs 209982-89-8, 209982-90-1 & WO 98 28268 A 2 July 1998 (1998-07-02)	1 <i>to be scanned</i>
X	WO 00 43372 A (SEMKO CHRISTOPHER ; THORSETT EUGENE D (US); ASHWELL SUSAN (US); KRE) 27 July 2000 (2000-07-27)	1,9-22
Y	page 70, line 4 - line 26; claims 50,73,74; example 111	2-8
X	WO 01 68591 A (HOFFMANN LA ROCHE) 20 September 2001 (2001-09-20)	1,9-22
Y	page 11, line 5 -page 12, line 3; claims 1,5,6,25,26,31; example 6	2-8

International application No.  
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## INTERNATIONAL SEARCH REPORT

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple Inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

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**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box I.1

Although claim 22 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

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Continuation of Box I.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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